

NOTE:

CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, PRIOR TO BEGINNING CONSTRUCTION.

DESIGN LOADS CRITERIA

NOTE:

NOTE:
IT SHALL BE UNLAWFUL TO PLACE, OR CAUSE TO PERMIT TO BE PLACED, ON ANY FLOOR OR ROOF OF A BUILDING, STRUCTURE, OR PORTION THEREOF, A LOAD GREATER THAN IS PERMITTED BY THESE REQUIREMENTS.

1. GENERAL INFORMATION:

IBC BUILDING CLASSIFICATION: CATEGORY IV
SITE EXPOSURE CATEGORY: C

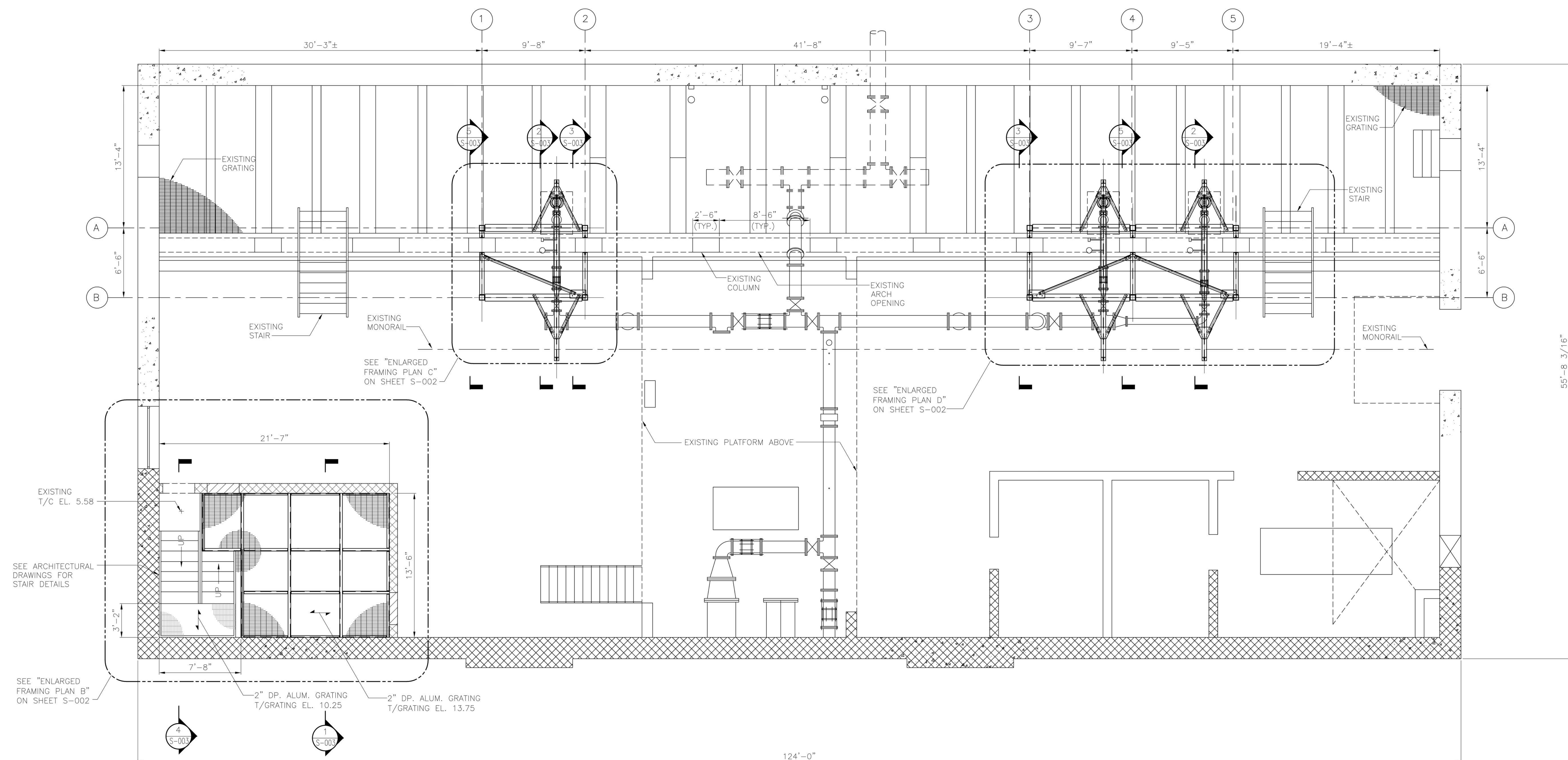
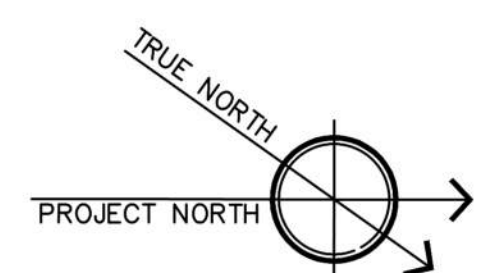
2. DEAD LOADS:

STRUCTURES - ACTUAL WEIGHT

WEIGHT OF SOIL - 120 PCF FOR RESISTING UPLIFT
WEIGHT OF SOIL - 125 PCF FOR DEAD LOAD

3. LIVE LOADS:

ELECTRICAL PLATFORM: - 250 PSF



PROFESSIONAL CERTIFICATION
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APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND,
LICENSE NO. 45054, EXPIRATION DATE: 02/09/16

Approved:

Approved: Chief, Facilities and Engineering:

Approved: Associate Chief for Maintenance And
Operations, Perry Point:

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Drawing Title:	RAW WATER PUMP STATION FLOOR PLAN
----------------	--------------------------------------

Approved: Associate Director for Operations:

Approved: Director, Medical Center:

Project Title:
**POTABLE WATER
SYSTEM IMPROVEMENTS - TIER 2**
PERRY POINT MD
VAMC

Scale:
 $1/4" = 1'-0"$

Building No	20
-------------	----

Checked:
JCC/SNP

Drawn:
CLT

Location:
VAMC PERRY POINT, MD 21902

Date:
9/1/2015

Project No:
512A5-13-329

DRAWING NO:
S-001

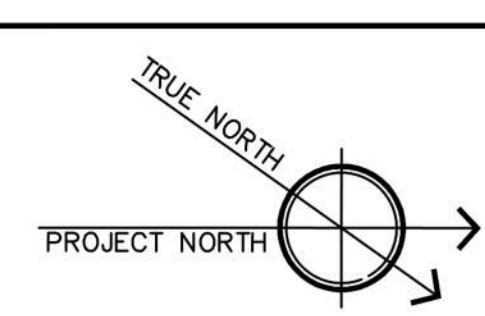
7 OF 24

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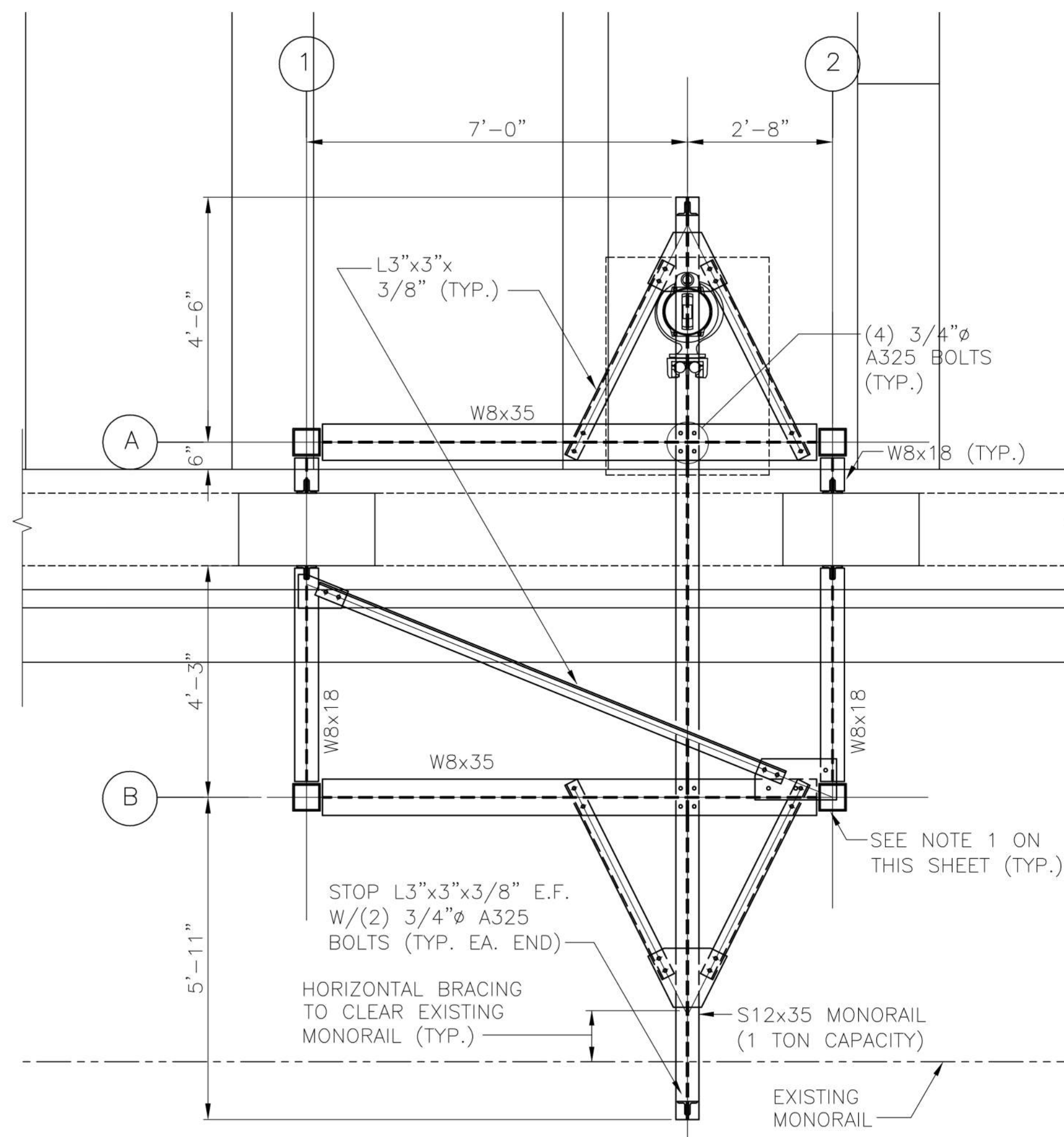
DEPARTMENT OF
VETERANS AFFAIRS

three inches = one foot
one and one half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

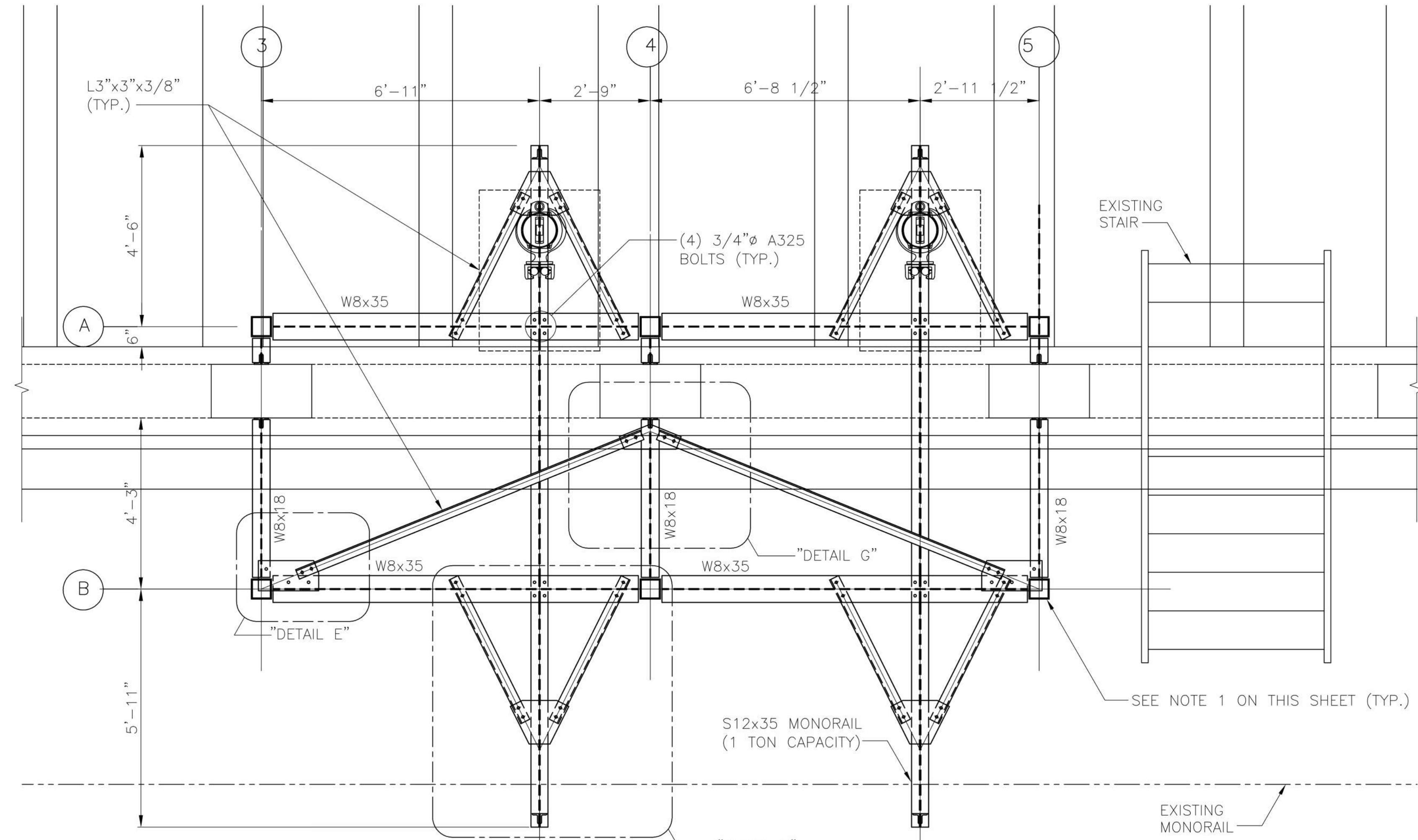


NOTES:

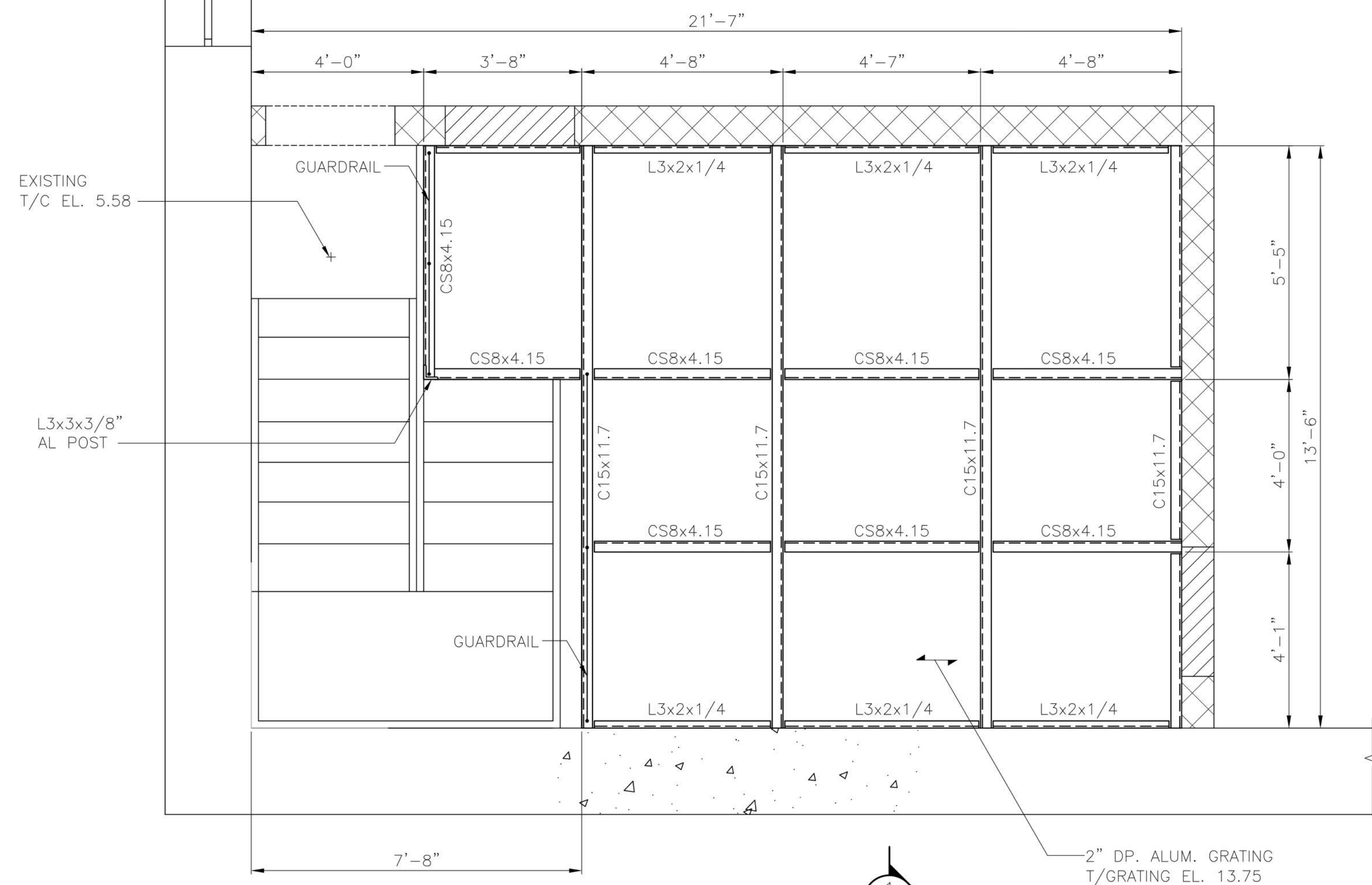
1. ALL MONORAIL SUPPORT COLUMNS TO BE HSS 6x6x3/8" STEEL COLUMNS W/1/2" DP. NON-SHRINK, NON-METALLIC GROUT UNDER 12"x12"x1/2" BASE PL. ANCHORED W/(4) 3/4"Ø S.S. THREADED RODS IN 7" DP. DRILLED HOLES W/RE500 EPOXY BY HILTI (TYP.)



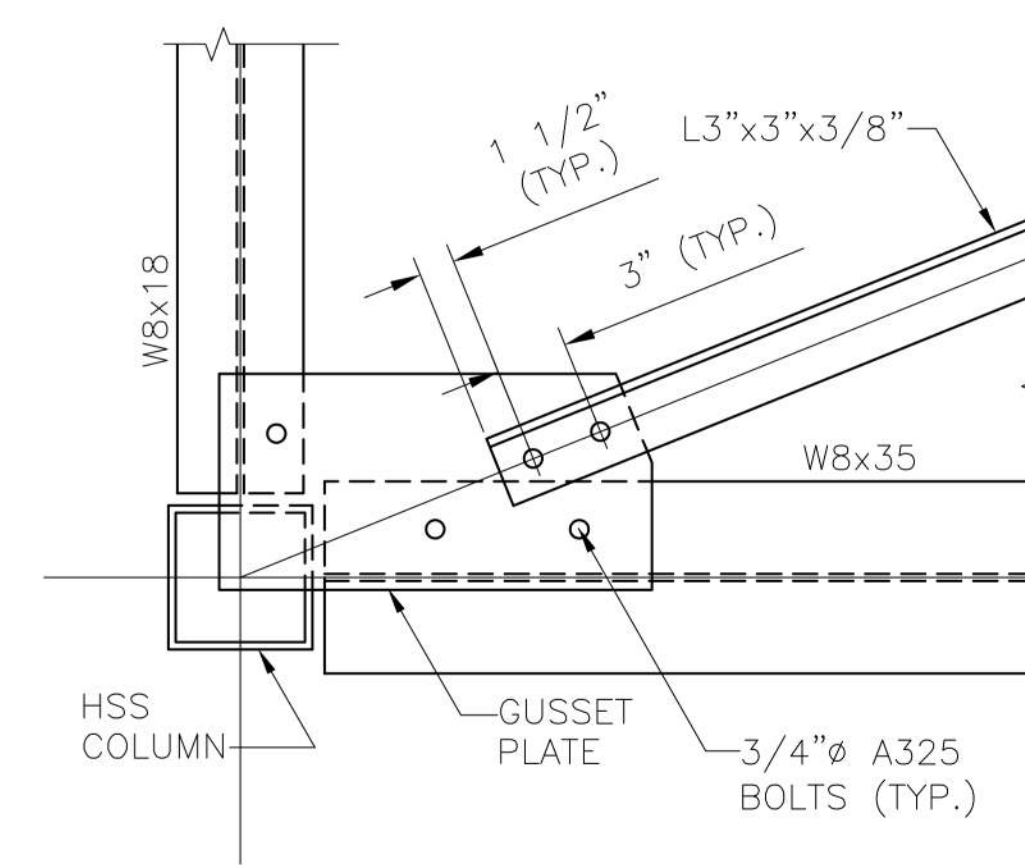
C ENLARGED FRAMING PLAN
S-001 SCALE: 1/2" = 1'-0"



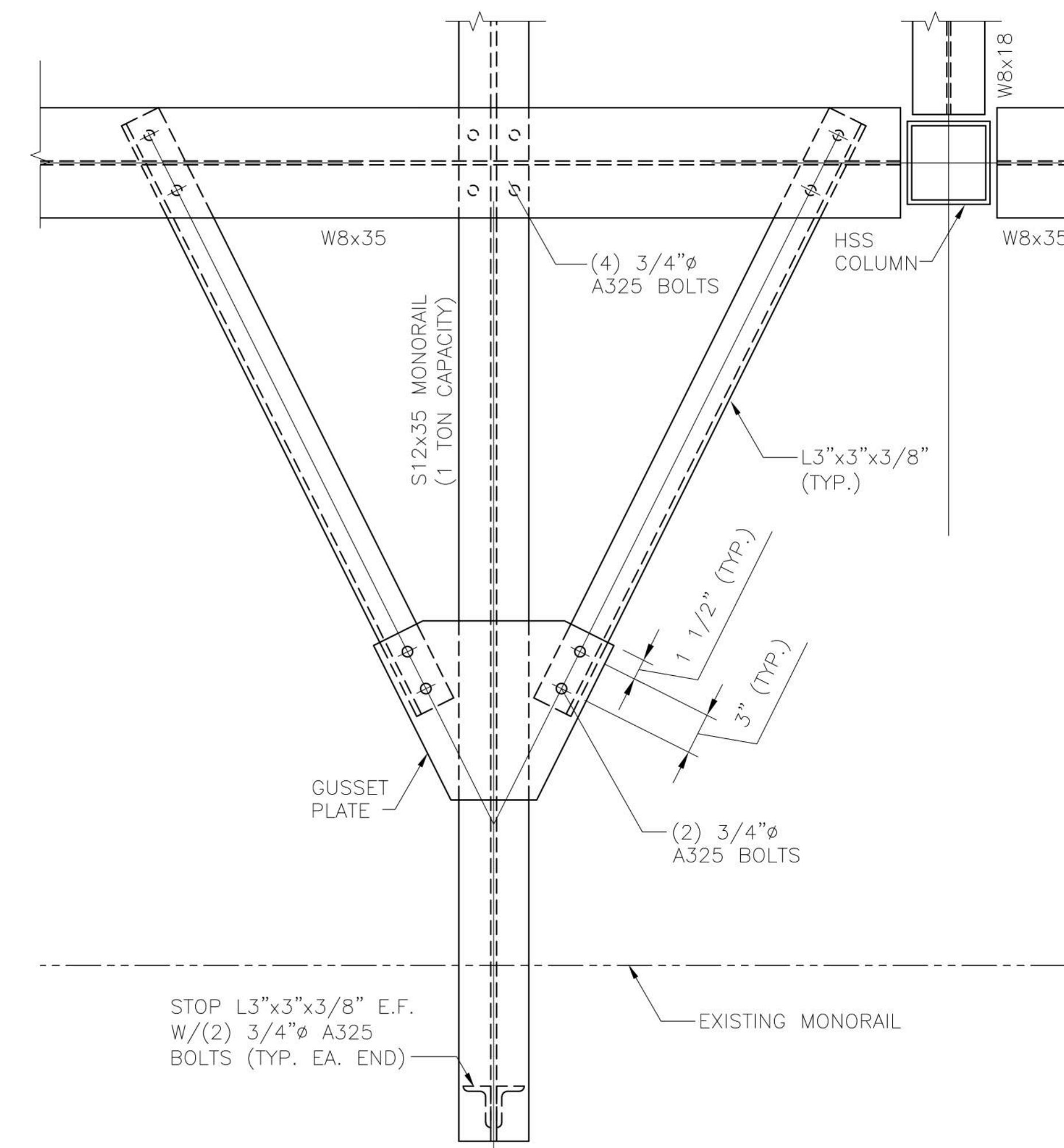
D ENLARGED FRAMING PLAN
S-001 SCALE: 1/2" = 1'-0"



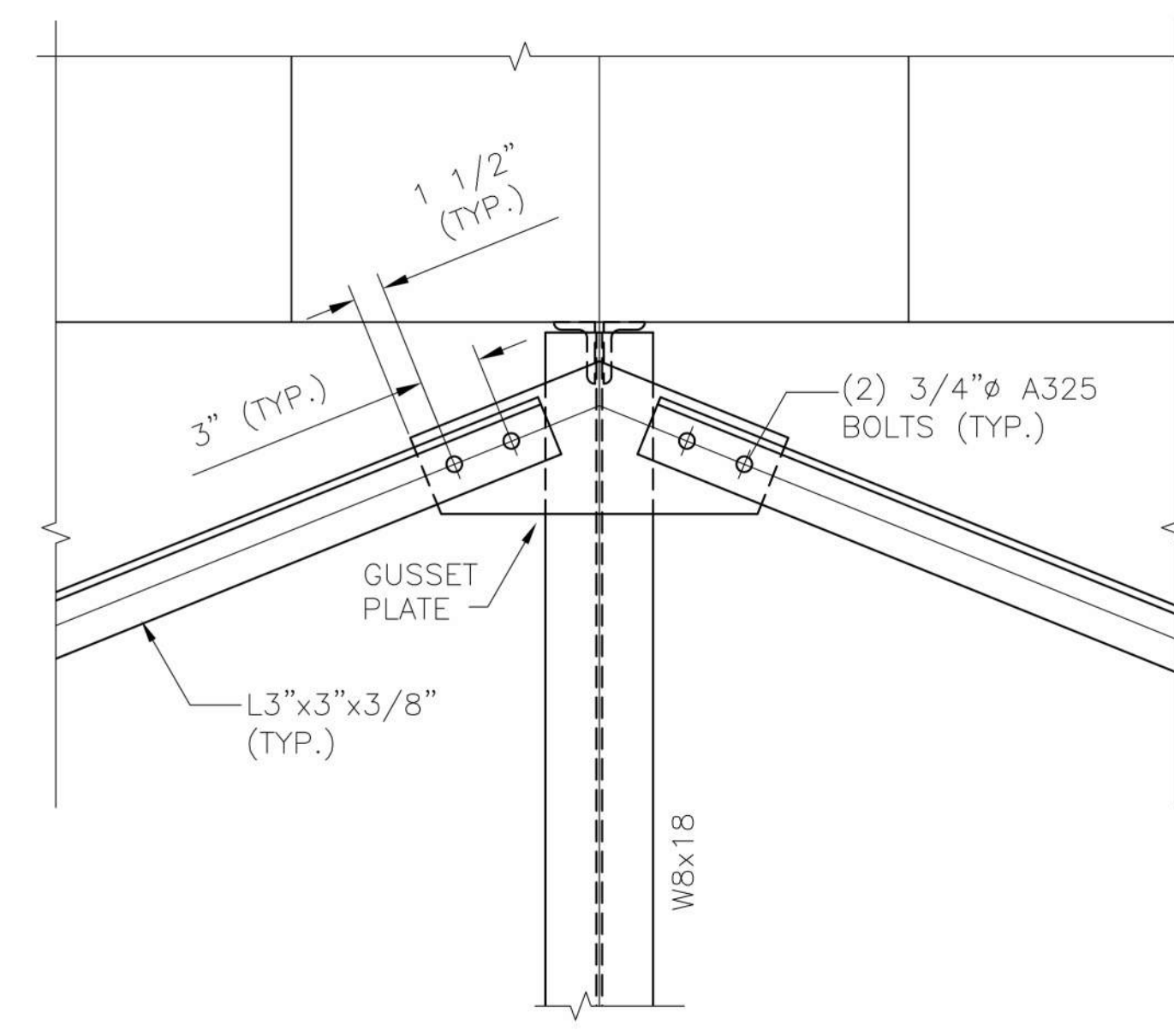
B ENLARGED PLAN
S-001 SCALE: 1/2" = 1'-0"



E DETAIL
S-002 SCALE: 1 1/2" = 1'-0"



F DETAIL
S-002 SCALE: 1 1/2" = 1'-0"



G DETAIL
S-002 SCALE: 1 1/2" = 1'-0"

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Approved: Chief, Facilities and Engineering:	
Approved: Associate Chief for Maintenance And Operations, Perry Point:	
Approved: Engineering Projects Supervisor	
Approved: Infection Control Officer	

Drawing Title:	RAW WATER PUMP STATION ENLARGED FLOOR PLAN AND SECTIONS
Approved: Associate Director for Operations:	
Approved: Director, Medical Center:	

Project Title:	POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2 PERRY POINT MD VAMC
Scale:	AS NOTED
Building No:	20
Checked:	JCC/SNP
Drawn:	CLT
Location:	VAMC PERRY POINT, MD 21902

Date:	9/1/2015
Project No:	512A5-13-329
DRAWING NO:	S-002
	8 OF 24

Additions:	Date:
Revisions:	

DCS Infrastructure, LLC
3249 route 112, building 4 suite 1B
Medford, N.Y. 11763
631-320-1706

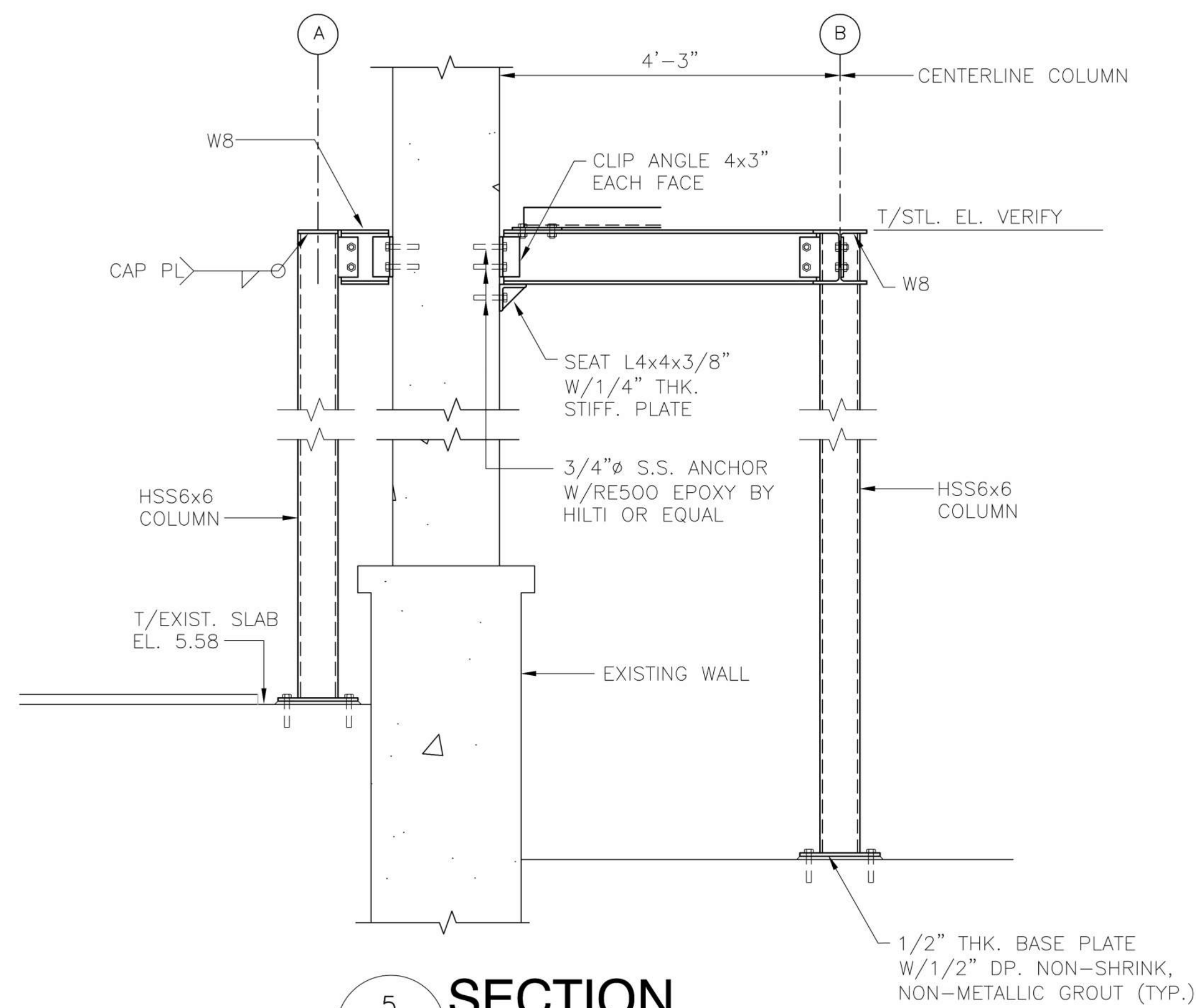
Hatch Mott MacDonald

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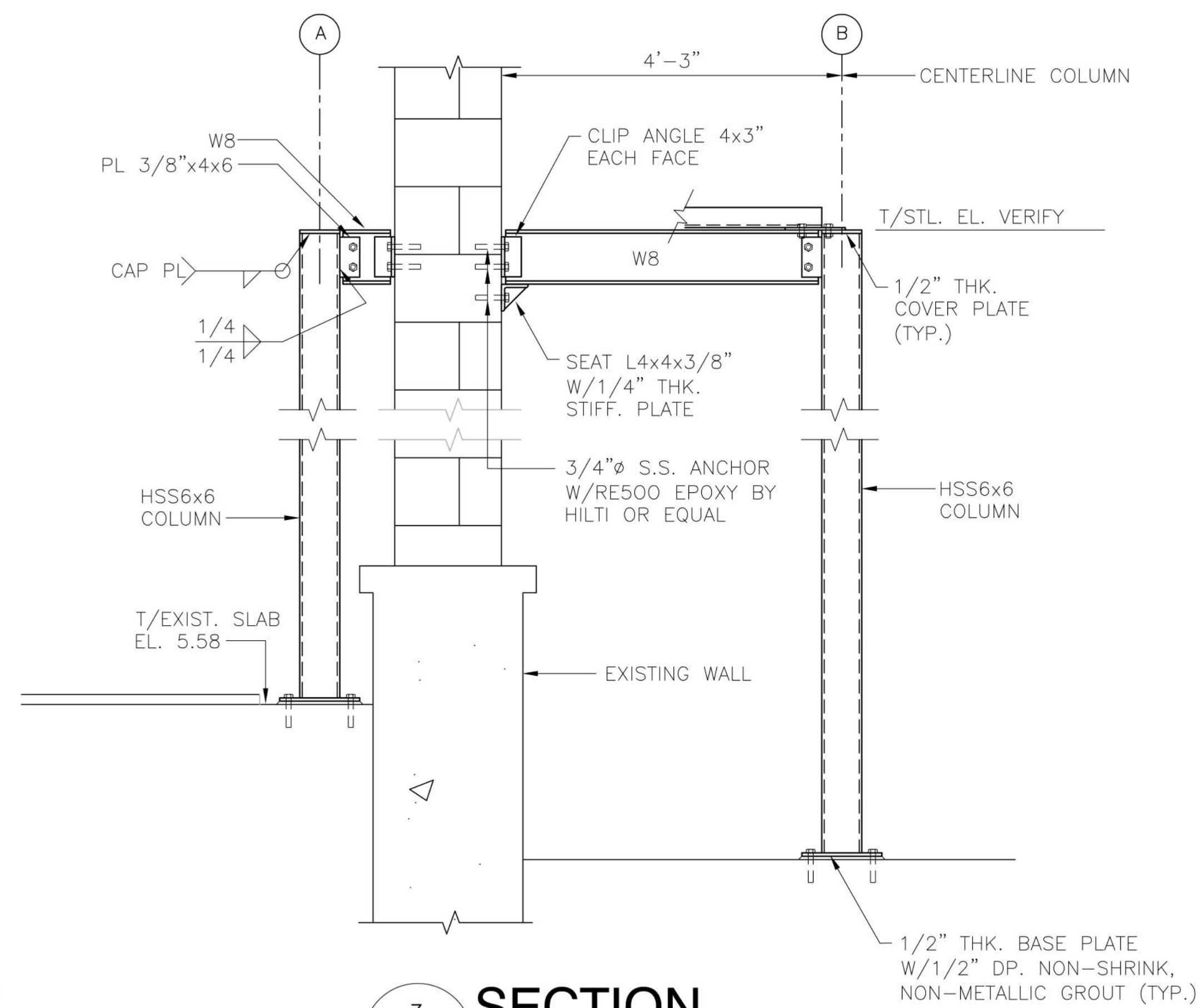


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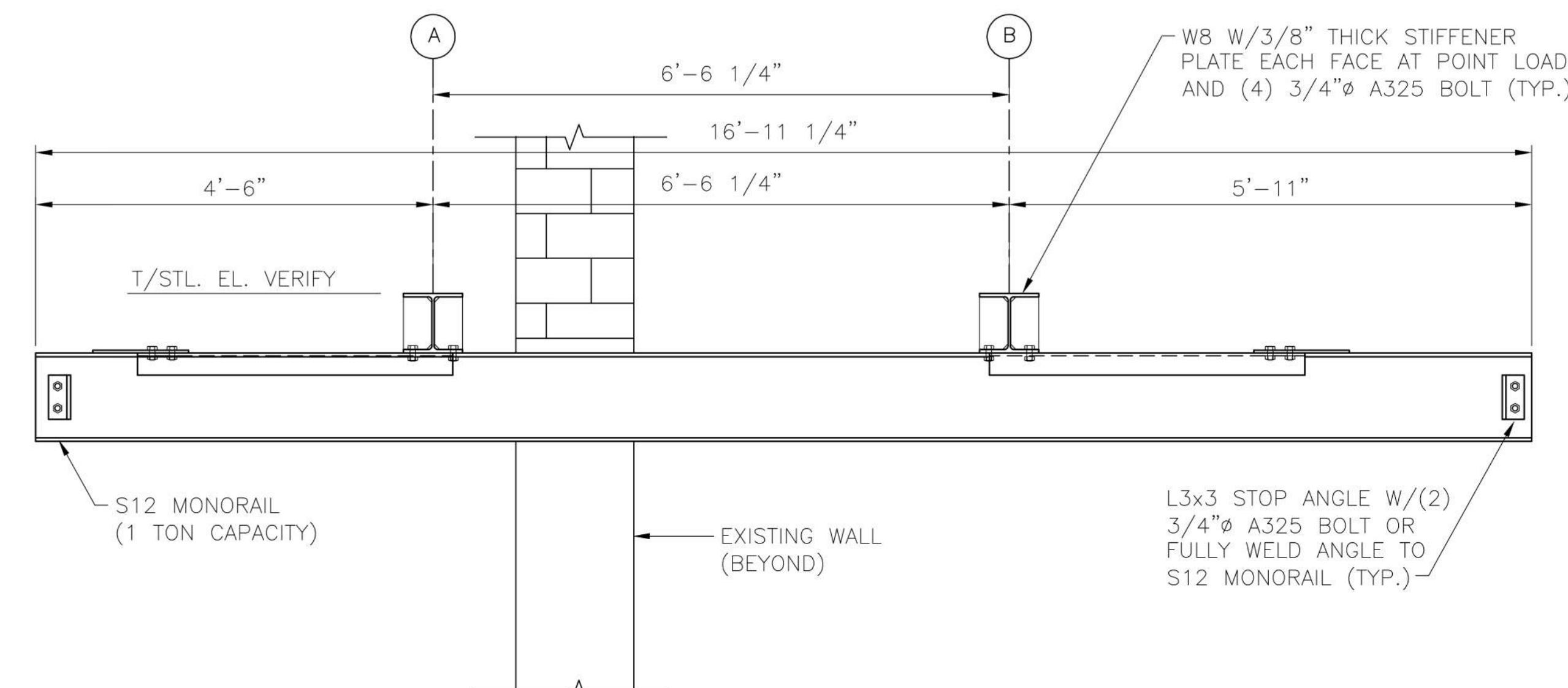
1 2 3 4 5 6 7 8



5 SECTION
S-001 SCALE: 3/4" = 1'-0"

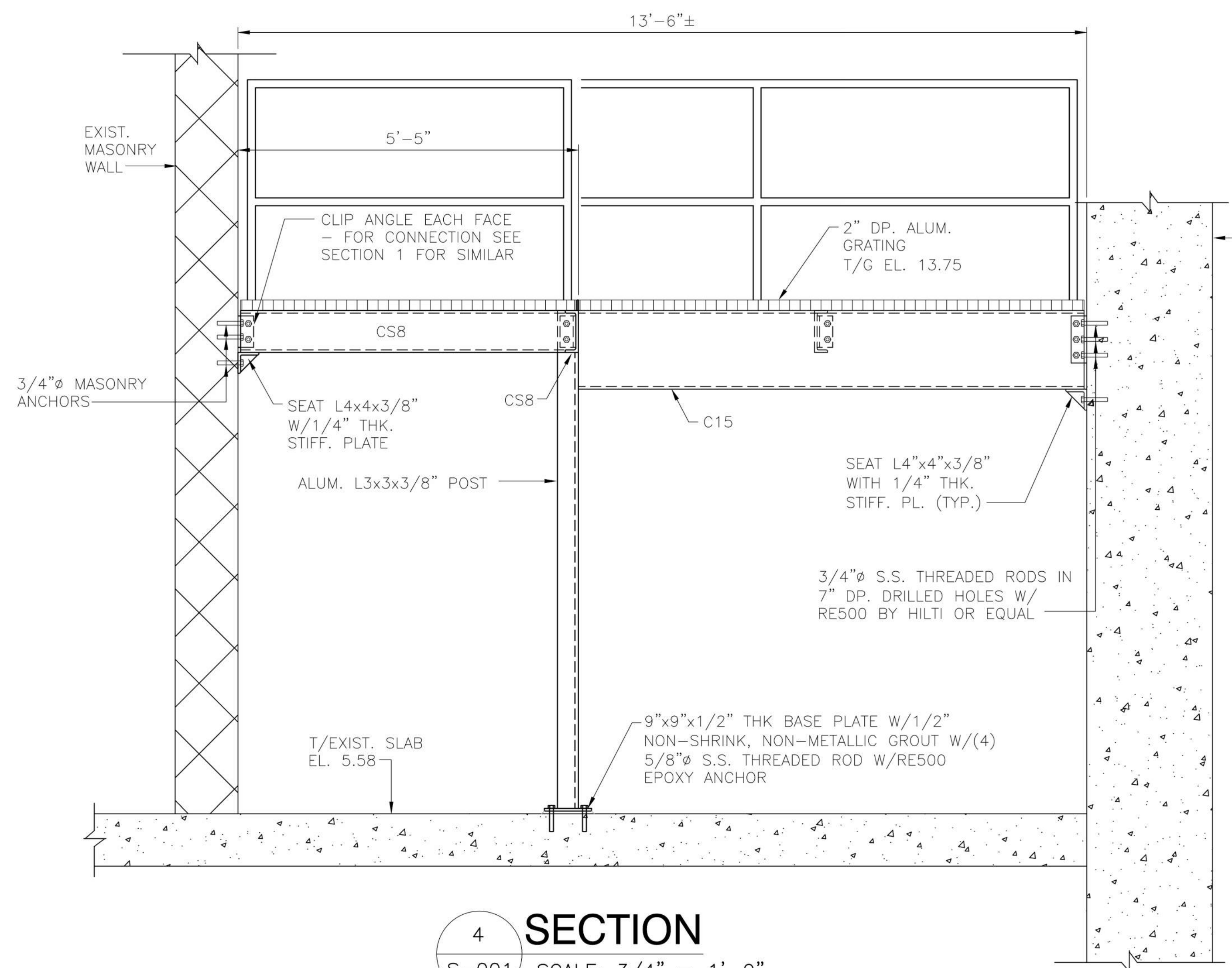


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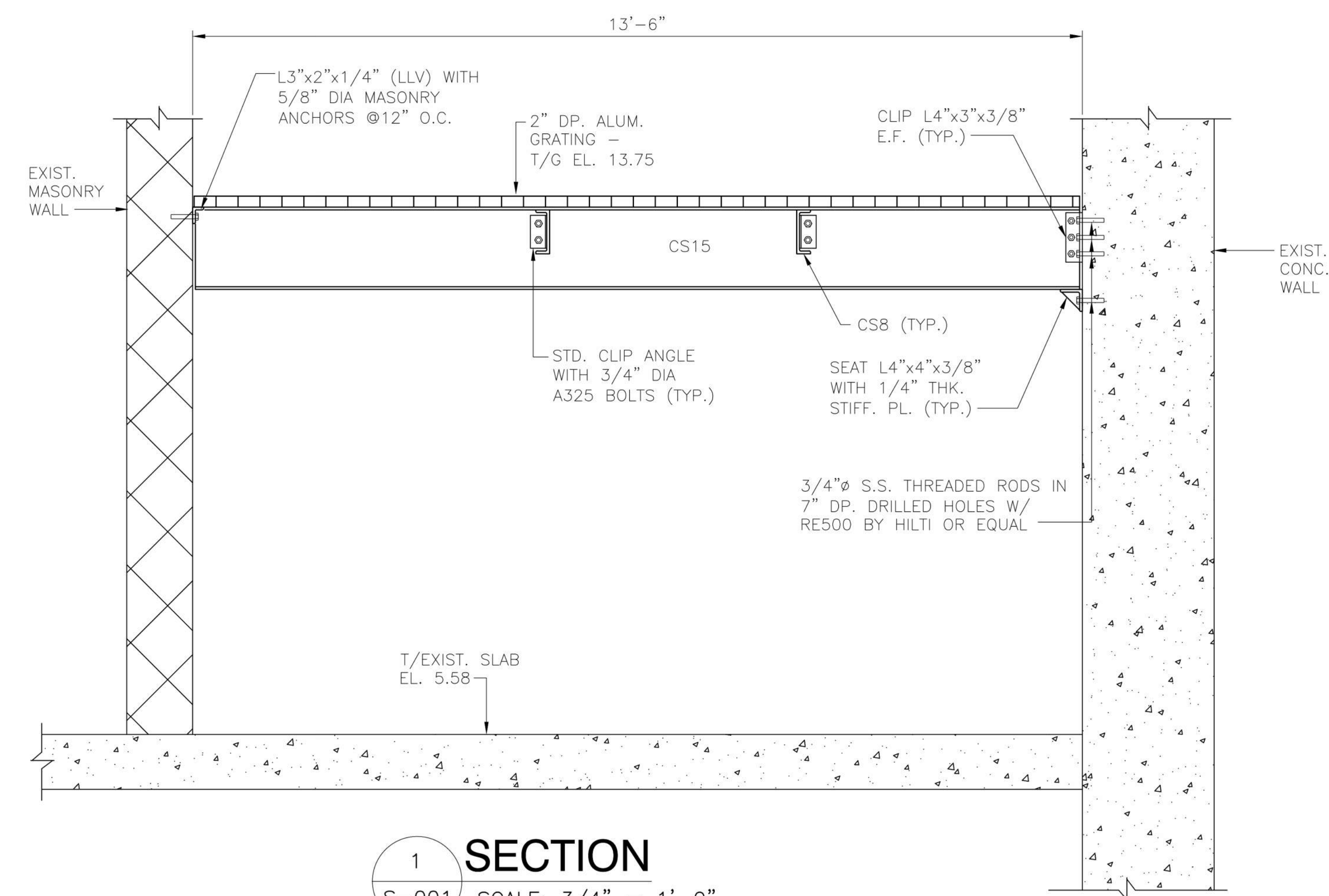


2 SECTION
S-001 SCALE: 3/4" = 1'-0"

- NOTES:
1. ALL DIMENSIONS TO BE FIELD VERIFIED.
2. HORIZONTAL BRACING NOT SHOWN FOR CLARITY.



4 SECTION
S-001 SCALE: 3/4" = 1'-0"



1 SECTION
S-001 SCALE: 3/4" = 1'-0"

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LICENSE NO. 45054, EXPIRATION DATE: 02/09/16



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Revisions:	

DCS Infrastructure, LLC
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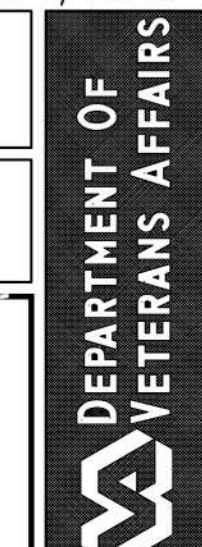
Hatch Mott MacDonald

Approved:	Approved: Chief, Facilities and Engineering:
	Approved: Associate Chief for Maintenance And Operations, Perry Point:
	Approved: Engineering Projects Supervisor
	Approved: Infection Control Officer

Drawing Title: RAW WATER PUMP STATION SECTIONS	Project Title: POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2 PERRY POINT MD VAMC
Approved: Associate Director for Operations:	Scale: 3/4" = 1'-0"
Approved: Director, Medical Center:	Building No: 20
	Checked: JCC/SNP
	Drawn: CLT
	Location: VAMC PERRY POINT, MD 21902

Date: 9/1/2015
Project No: 512A5-13-329
DRAWING NO: S-003
9 OF 24

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1

2

3

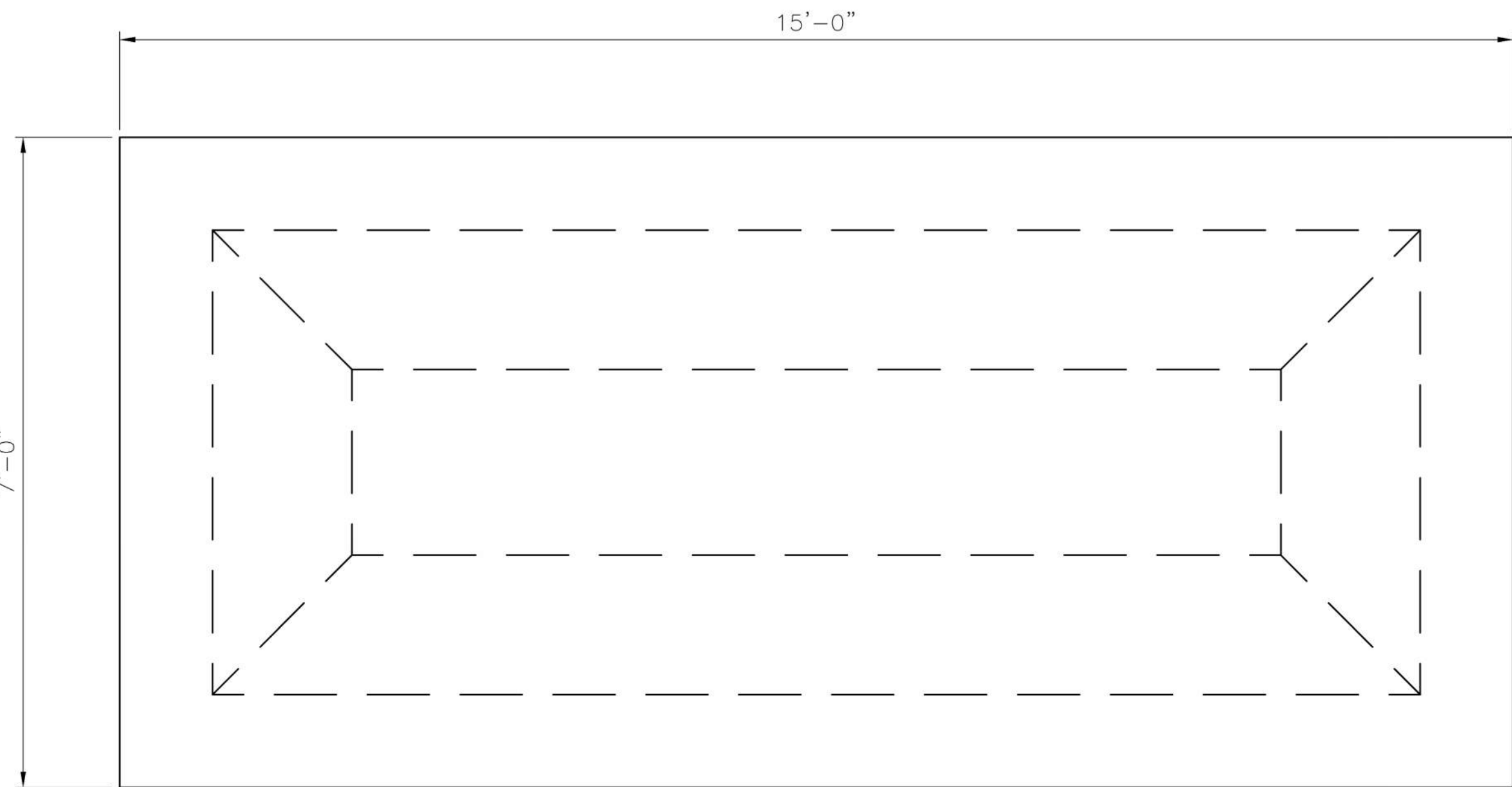
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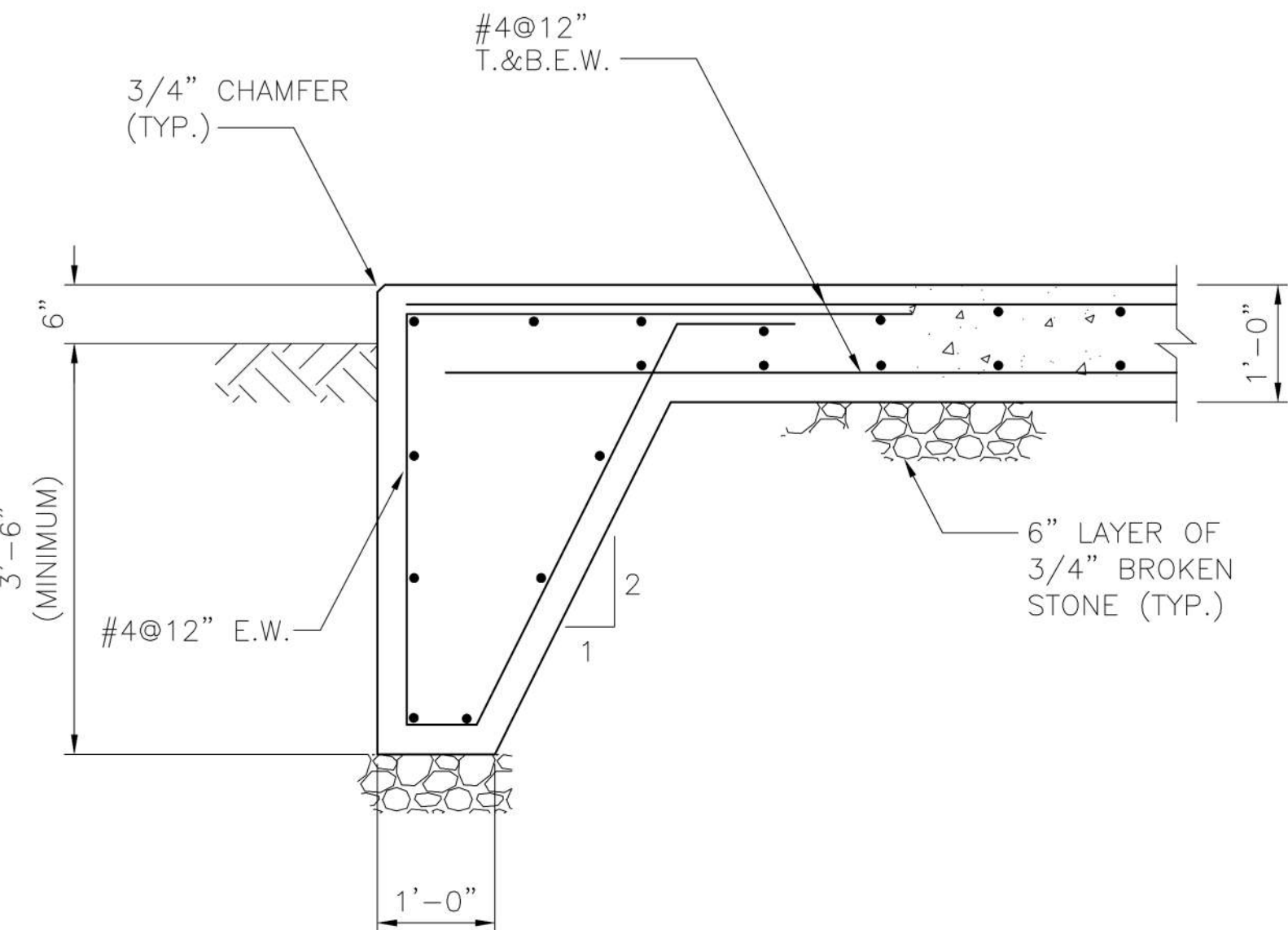
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7

8



PLAN

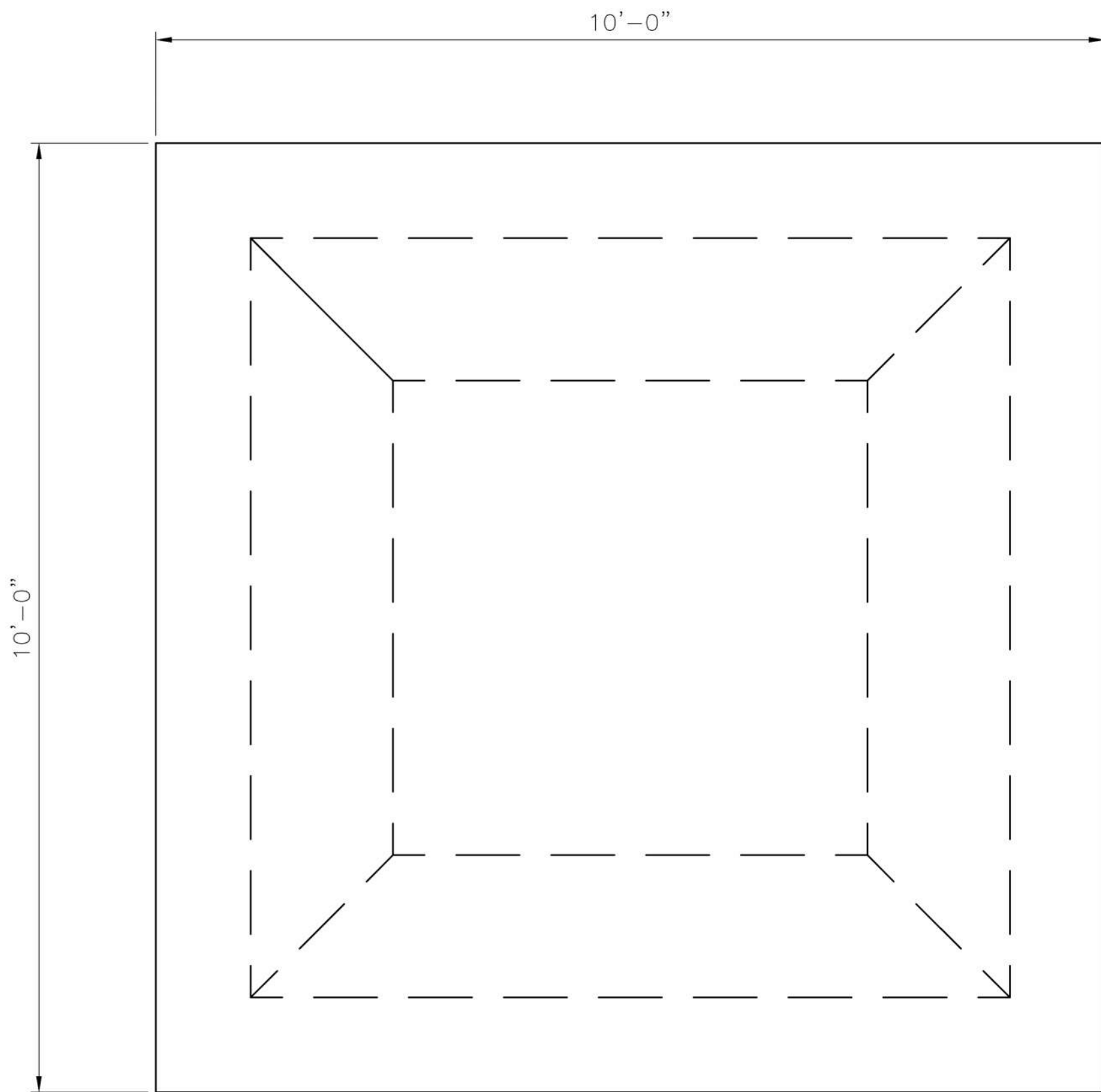


TYPICAL SECTION

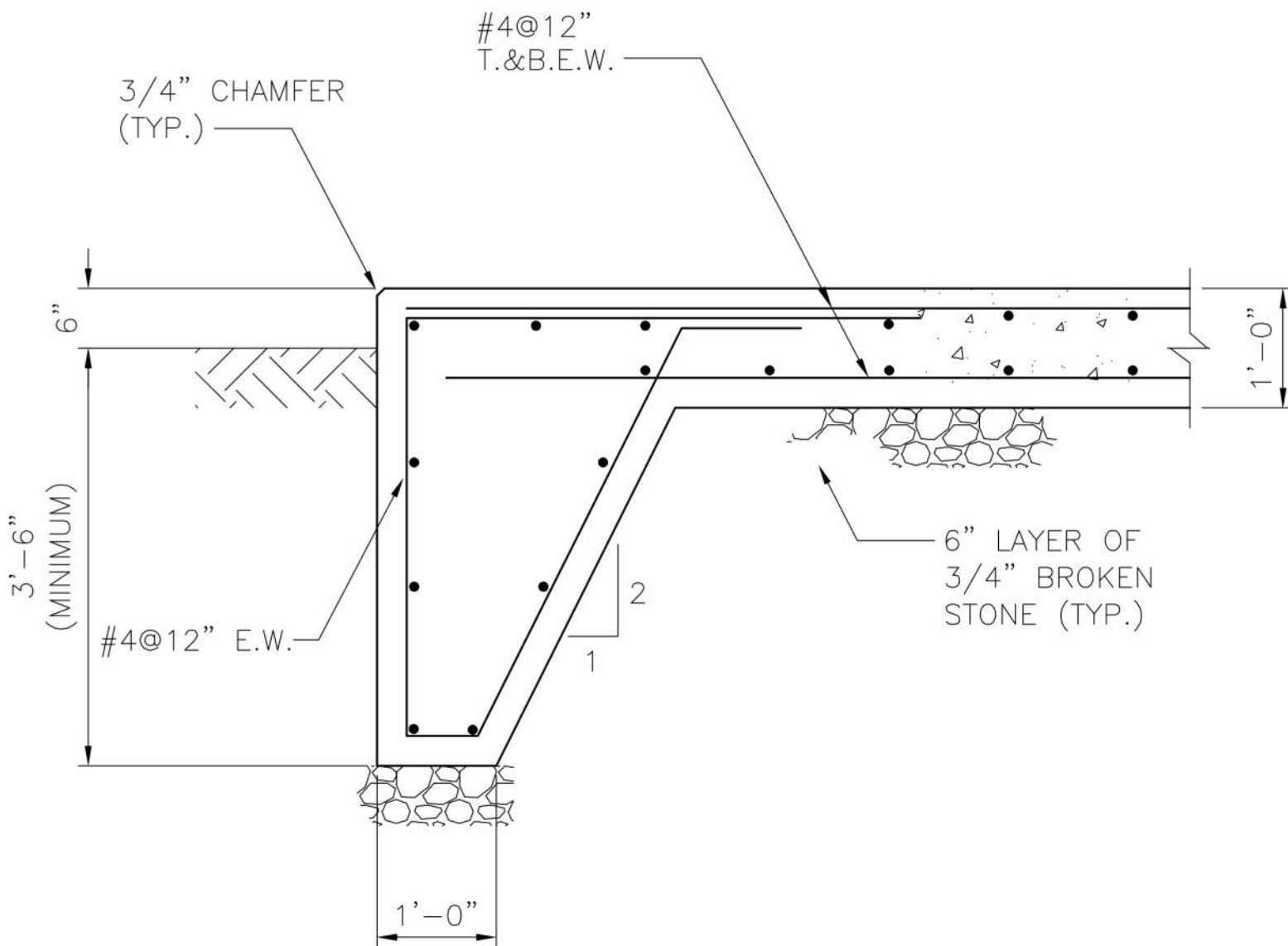
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S-005

CONCRETE ELECTRICAL GENERATOR PAD DETAIL

SCALE: 3/4" = 1'-0"



PLAN



TYPICAL SECTION

2
S-005

CONCRETE ELECTRICAL LOW VOLTAGE PAD DETAIL

SCALE: 3/4" = 1'-0"

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	Approved: Engineering Projects Supervisor
	Approved: Infection Control Officer

Approved: Chief, Facilities and Engineering:
Approved: Associate Chief for Maintenance And Operations, Perry Point:
Approved: Engineering Projects Supervisor
Approved: Infection Control Officer

Drawing Title:
RAW WATER PUMP STATION CONCRETE PAD DETAILS AND GENERAL STRUCTURAL NOTES
Approved: Associate Director for Operations:
Approved: Director, Medical Center:

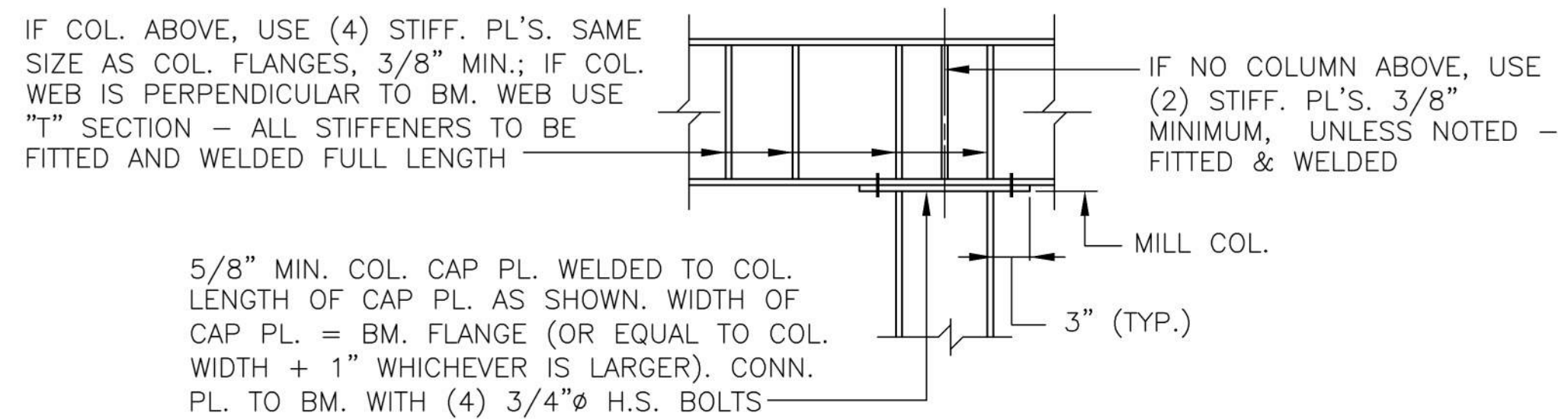
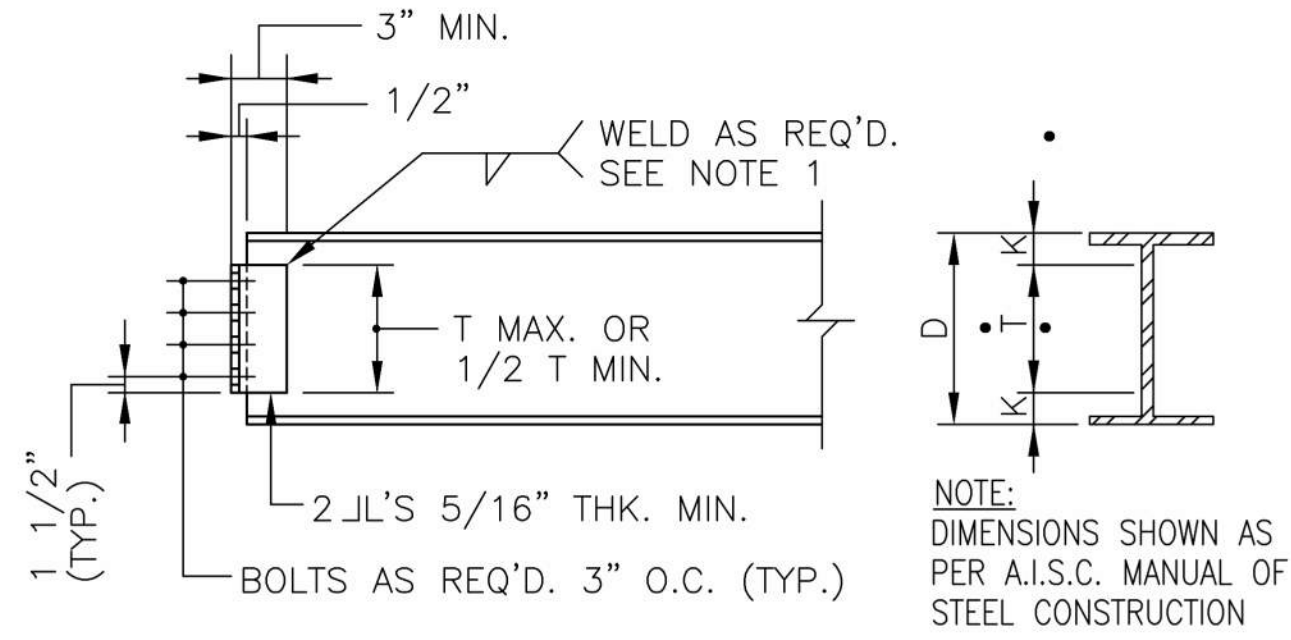
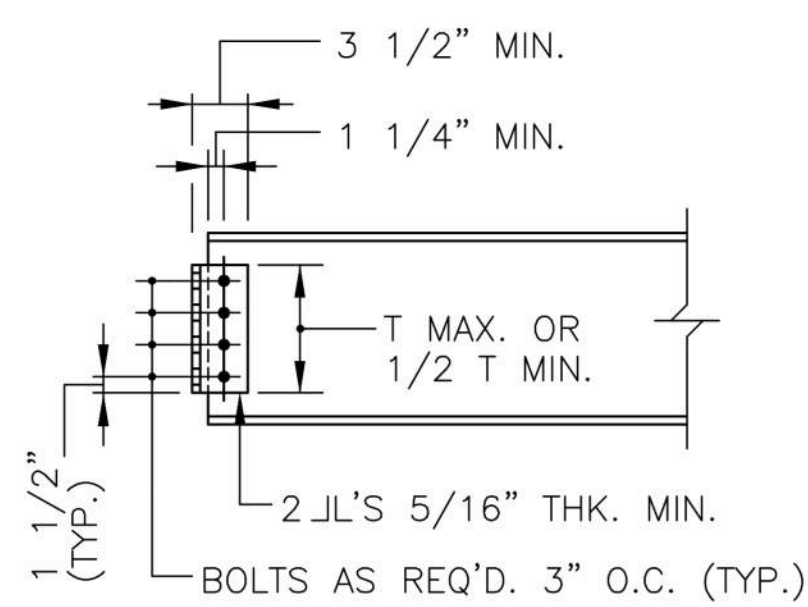
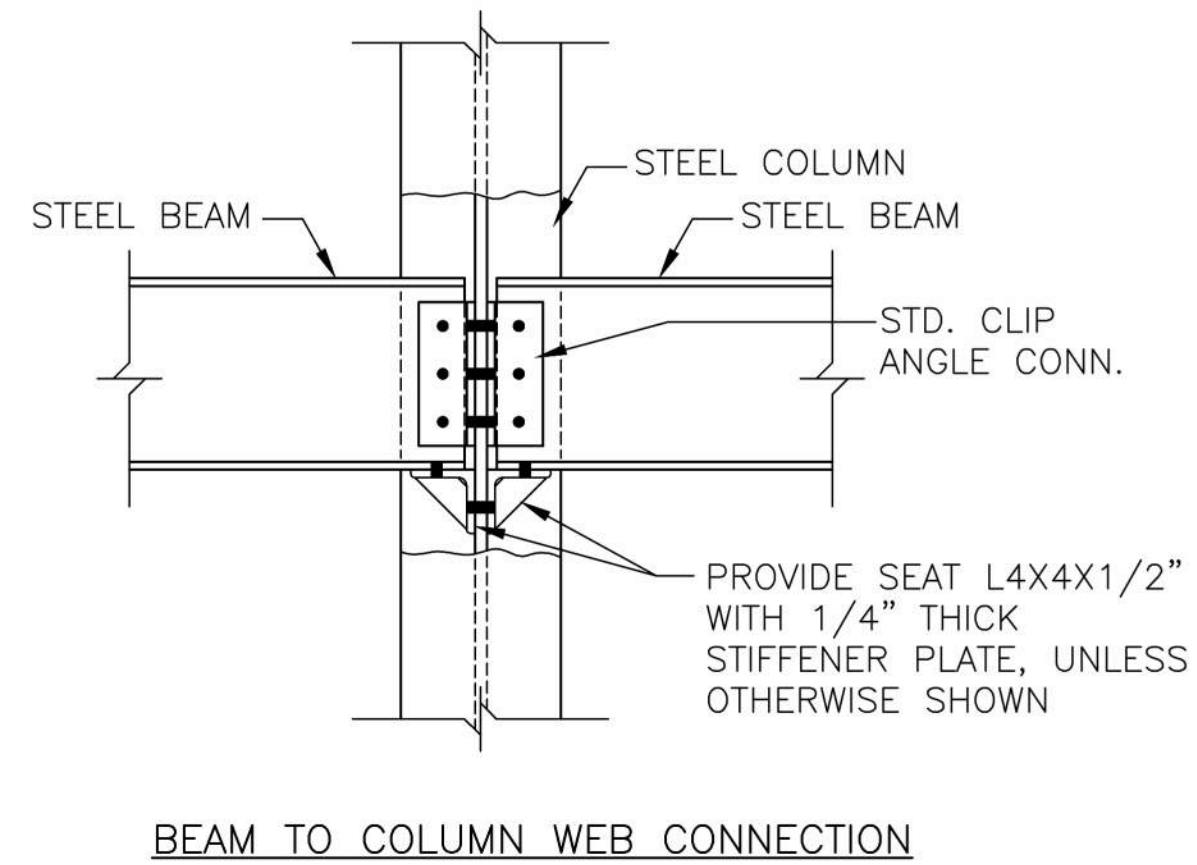
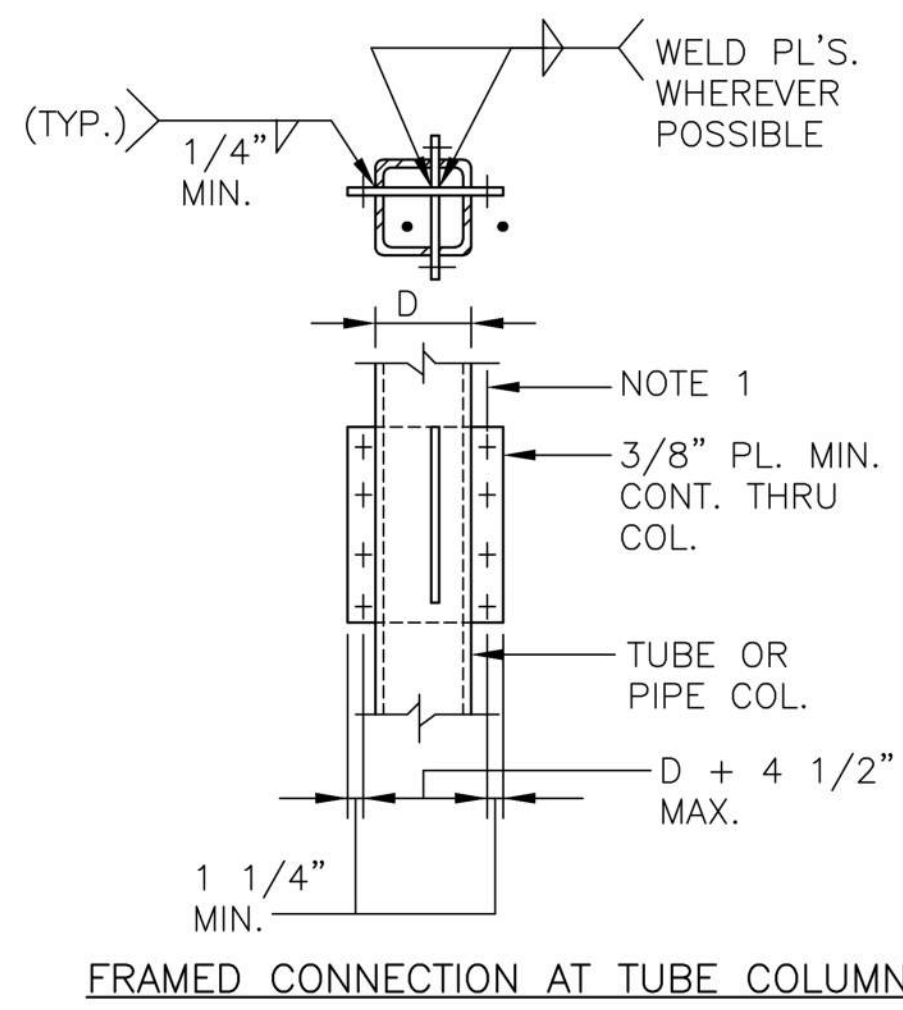
Project Title:
POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2 PERRY POINT MD VAMC
Scale:
3/4" = 1'-0"
Building No:
20
Checked:
JCC/SNP
Drawn:
CLT
Location:
VAMC PERRY POINT, MD 21902

Date:
9/1/2015
Project No:
512A5-13-329
DRAWING NO:
S-004
10 OF 24

100% Bid Documents September 1, 2015

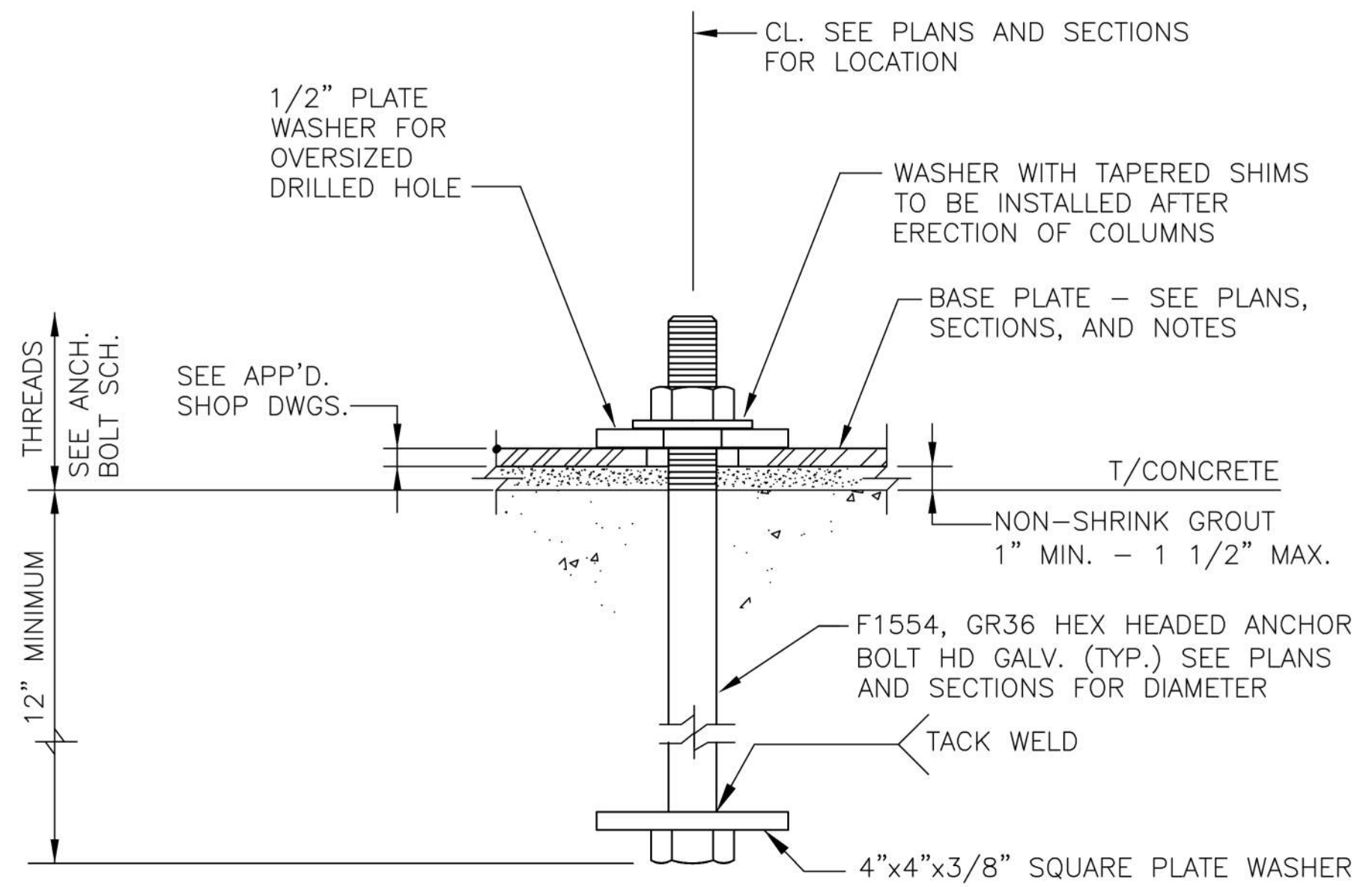


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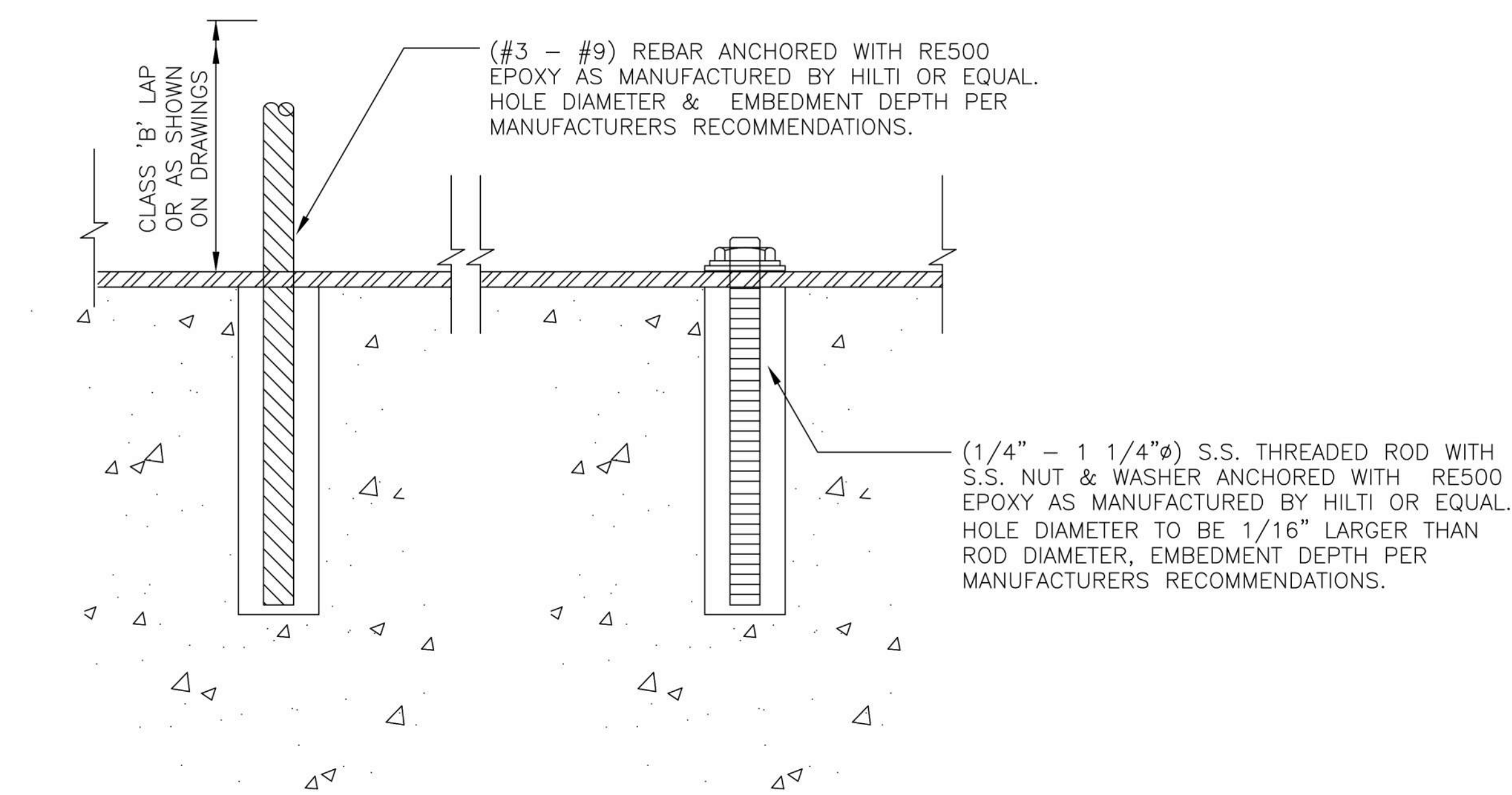


- NOTES:
- ALL CONNECTIONS SHALL BE CAPABLE TO SUPPORT HALF THE TOTAL UNIFORM LOAD CAPACITY SHOWN IN TABLES FOR ALLOWABLE LOADS ON BEAMS FOR THE GIVEN SHAPE, SPAN AND STEEL GRADE SPECIFIED (PART 2 OF AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION).
 - DETAILER SHALL SUBMIT FOR REVIEW, STD. CONN. DETAILS CONFORMING TO ABOVE DETAILS W/ERECTION DWG. SUBMISSION.
 - MILL COL'S. TO BEAR OR PROVIDE FULL PENETRATION WELD AT BASE PL'S. & CAP PL'S. AT COL'S. CARRYING BEAMS.
 - AT CONN. OF HUNG BEAM TO CANTILEVERED BEAMS PROVIDE (2) JL CONN. W/STRENGTH CAPACITY AS PER NOTE 1 FOR HUNG BEAM.
 - WHERE BEAMS FRAME TO FITTED STIFFENERS AT COL'S. PROVIDE SHEAR PL. CONN. W/STRENGTH CAPACITY AS PER NOTE 1.
 - ALL BOLTS TO BE 3/4" A325 H.T. BOLTS UNLESS NOTED OTHERWISE. ALL WELDING ELECTRODES TO BE E70XX.
 - PROVIDE 1/4" CAP PLATE CLOSURES AT ALL TUBE COL'S UNLESS OTHERWISE NOTED.

STEEL CONNECTION DETAILS

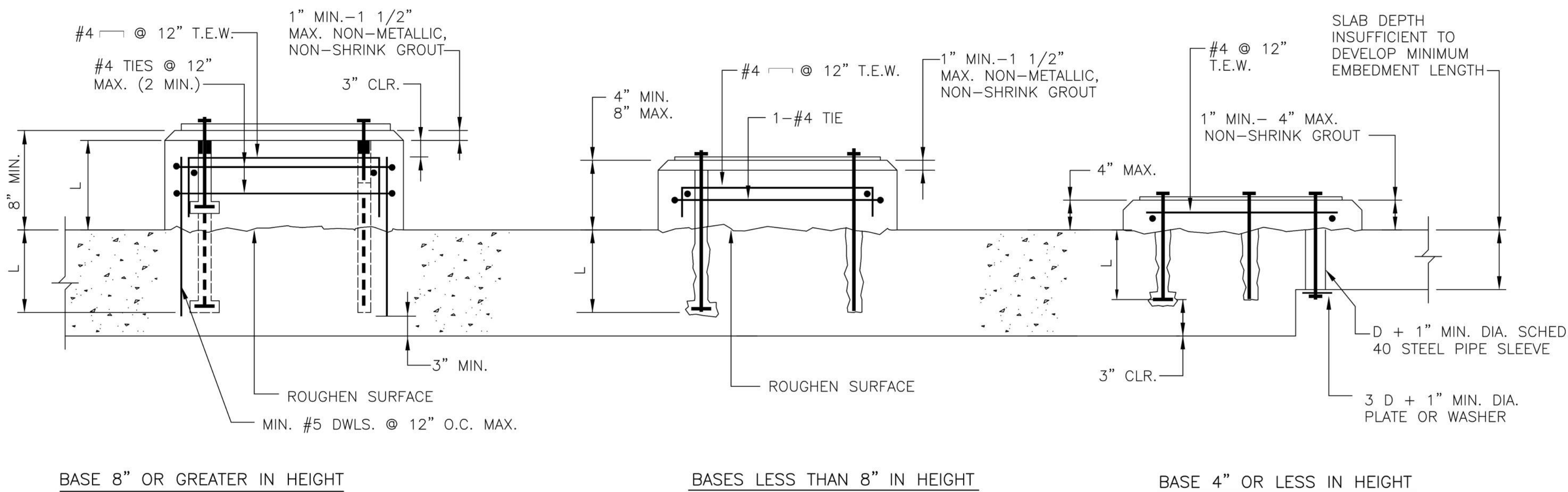


CAST-IN-ANCHORS TO BE USED GENERALLY THROUGHOUT FOR ANCHORING STRUCTURAL STEEL NOT SUBJECT TO VIBRATION, AND WHERE LOCATION TOLERANCES ARE NOT REQUIRED.



ADHESIVE ANCHORING SYSTEMS

- EPOXY ADHESIVE TO BE RE500 MANUFACTURED BY HILTI OR APPROVED EQUAL.
- DIAMETER OF HOLE SHALL BE AS RECOMMENDED BY MANUFACTURER FOR THE PARTICULAR PRODUCT SPECIFIED IN THE DRAWINGS.
- ALL ANCHORED THREADED RODS AND REBARS SHALL BE TESTED AFTER INSTALLATION AT CONTRACTORS EXPENSE. A MINIMUM OF 10% OF EACH DAYS APPLICATIONS AND NO LESS THAN 2 SHALL BE TESTED BY APPLYING A TENSION LOAD 2 TIMES THE MANUFACTURERS ALLOWABLE LOAD TO THE EMBEDDED ANCHOR. IF A TEST APPLICATION FAILS, ALL APPLICATIONS FOR THAT DAY SHALL BE TESTED. TESTING PROCEDURES AND RESULTS SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.



NOTES:

THE EMBEDMENT LENGTHS OF ANCHOR BOLTS SHALL BE DEVELOPED ENTIRELY WITHIN THE CONCRETE BASE WHEREVER POSSIBLE. PROVIDE SUFFICIENT #5 MIN. SIZE DOWELS TO DEVELOP NOT LESS THAN TWICE THE FULL DESIGN TENSION OF THE ANCHOR BOLTS IN THE BASE, OR AT LEAST EQUAL TO THE DESIGN TENSION OF THE ANCHOR BOLTS, IF EMBEDDED IN THE SLAB FOR BASES 8" OR GREATER IN HEIGHT. WHERE THE HEIGHT OF THE CONCRETE BASE CANNOT DEVELOP THE MIN. EMBEDMENT LENGTHS, THE BOLTS SHALL BE EMBEDDED AND DEVELOPED WITHIN THE SUPPORTING STRUCTURAL CONCRETE SLAB BELOW THESE BOLTS WILL BE EXTENDED THROUGH THE BASE TO ANCHOR THE EQUIPMENT ABOVE. IF BOTH CONCRETE BASE AND SLAB ARE OF INSUFFICIENT DEPTH TO DEVELOP THE MIN. EMBEDMENT LENGTH, PROVIDE A SCHED. 40 STEEL PIPE SLEEVE AT LEAST ONE INCH LARGER IN DIAMETER THAN THE BOLT DIAMETER AND ANCHOR BY BEARING AGAINST THE BOTTOM OF THE SLAB WITH A PLATE OR WASHER AS SHOWN ABOVE, SUBJECT TO APPROVAL BY THE ENGINEER.

GENERAL NOTES:

QUANTITY, SIZE AND LOCATION OF ANCHOR BOLTS AS PER APPROVED EQUIPMENT SHOP DWGS. L = MIN. EMBEDMENT LENGTH AS PER APPROVED EQUIP. SHOP DWGS. AND TYPICAL DETAILS FOR ANCHOR BOLTS.

EQUIPMENT BASES ON ALL CONCRETE SLAB CONSTRUCTION

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Approved: Engineering Projects Supervisor	
Approved: Infection Control Officer	

Drawing Title:	RAW WATER PUMP STATION TYPICAL DETAILS I		
Approved: Associate Director for Operations:			
Approved: Director, Medical Center:			

Project Title:	POTABLE WATER SYSTEM IMPROVEMENTS - TIER 2 PERRY POINT MD VAMC		
Scale:	BUILDING NO:	CHECKED:	DRAWN:
NONE	20	JCC/SNP	CLT
Location:	VAMC PERRY POINT, MD 21902		

Date:	9/1/2015
Project No:	512A5-13-329
DRAWING NO:	S-005
11 OF 24	

Additions:	Date:
Revisions:	

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